

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: IRiS

Report Number: P1315660

Luminaire Tested: P3SQAS20R309740D010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315660
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-36)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R309740D010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 97CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

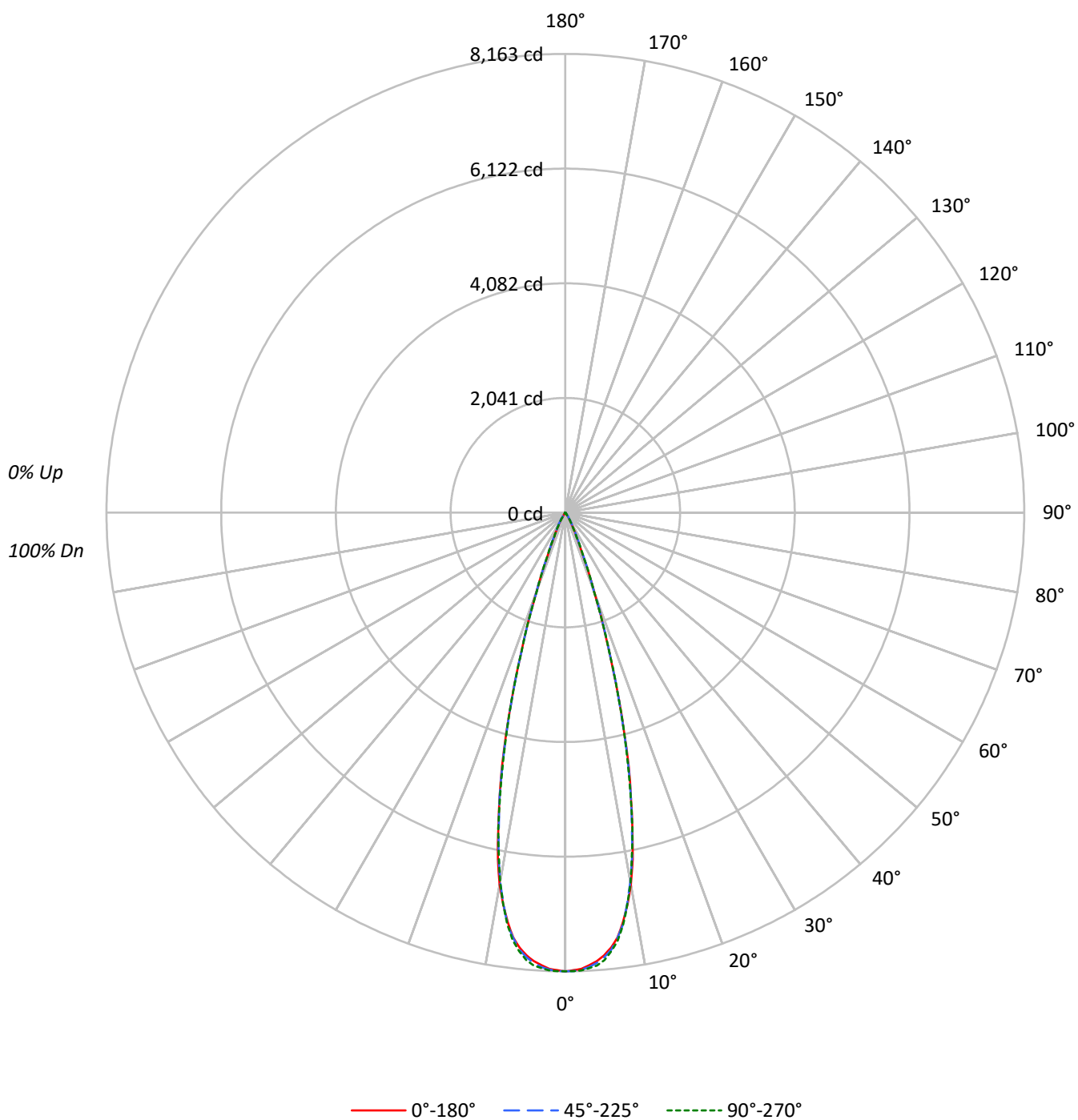
Lumens per Lamp: N/A
Luminaire Lumens: 2123.0 lumens
Efficiency: N/A
Efficacy: 73.7 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	99	98
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97	96	95
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	94	93	92
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	91	90	89
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	88	87	86
5	102	96	92	89	100	95	91	89	94	90	88	92	89	87	91	88	86	85	84	83
6	99	93	89	86	98	92	88	85	91	87	85	90	87	84	88	86	84	83	82	81
7	96	90	86	83	95	89	85	83	88	85	82	87	84	82	86	84	82	81	80	79
8	94	87	83	80	93	87	83	80	86	82	80	85	82	80	84	81	79	78	77	76
9	91	85	81	78	90	84	80	78	83	80	78	83	80	77	82	79	77	76	75	74
10	89	82	78	76	88	82	78	76	81	78	76	81	78	75	80	77	75	74	73	72

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1405836	1405836	1405836
5°	1367312	1373259	1381765
10°	1175767	1165729	1166883
15°	722463	716615	717204
20°	274950	275555	270460
25°	87450	92125	87773
30°	35179	43651	36154
35°	11353	19279	11353
40°	5148	8476	5148
45°	1997	3580	1997
50°	884	1768	884
55°	991	991	991
60°	1137	1137	1137
65°	652	652	652
70°	806	806	806
75°	1065	1065	1065
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 3580 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	720.0	33.9
10°-20°	1068.2	50.3
20°-30°	265.4	12.5
30°-40°	53.0	2.5
40°-50°	9.6	0.5
50°-60°	3.0	0.1
60°-70°	2.2	0.1
70°-80°	1.5	0.1
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2053.6	96.7
0°-40°	2106.6	99.2
0°-60°	2119.3	99.8
0°-90°	2123.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2123.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8163	8163	8163	8163	8163	
5°	7909	7935	7943	7955	7993	719
15°	4052	4060	4019	4032	4022	1072
25°	460	470	485	478	462	258
35°	54	70	92	69	54	44
45°	8	10	15	12	8	7
55°	3	3	3	3	3	3
65°	2	2	2	2	2	2
75°	2	2	2	2	2	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	8162.9	8162.9	8162.9	8162.9	8162.9
1°	8144.9	8154.7	8161.3	8161.3	8161.3
2°	8122.0	8128.5	8138.3	8140.0	8153.1
3°	8067.9	8082.7	8099.0	8108.9	8115.4
4°	8002.4	8022.1	8031.9	8056.4	8077.7
5°	7909.0	7935.2	7943.4	7954.9	7992.6
6°	7782.9	7802.6	7819.0	7823.9	7846.8
7°	7615.9	7625.7	7622.4	7630.6	7671.6
8°	7362.0	7365.3	7393.1	7375.1	7403.0
9°	7060.7	7047.5	7041.0	7054.1	7055.7
10°	6723.3	6679.0	6665.9	6654.5	6672.5
11°	6286.0	6228.6	6233.6	6230.3	6204.1
12°	5742.2	5735.7	5693.1	5701.3	5740.6
13°	5187.0	5198.4	5190.3	5200.1	5155.9
14°	4666.2	4610.5	4625.2	4569.5	4590.8
15°	4052.0	4060.2	4019.2	4032.3	4022.5
17.5°	2594.3	2612.3	2599.2	2587.8	2605.8
20°	1500.2	1498.6	1503.5	1488.8	1475.7
22.5°	789.4	800.9	815.6	817.3	827.1
25°	460.2	470.1	484.8	478.2	461.9
27.5°	281.7	299.7	322.7	306.3	286.6
30°	176.9	191.6	219.5	193.3	181.8
32.5°	99.9	121.2	144.1	121.2	99.9
35°	54.0	70.4	91.7	68.8	54.0
37.5°	36.0	40.9	60.6	40.9	36.0
40°	22.9	27.8	37.7	27.8	22.9
42.5°	13.1	18.0	21.3	18.0	13.1
45°	8.2	9.8	14.7	11.5	8.2
47.5°	3.3	4.9	9.8	4.9	4.9
50°	3.3	3.3	6.6	3.3	3.3
52.5°	3.3	3.3	3.3	3.3	3.3
55°	3.3	3.3	3.3	3.3	3.3
57.5°	3.3	3.3	3.3	3.3	3.3
60°	3.3	3.3	3.3	3.3	3.3
62.5°	3.3	3.3	3.3	3.3	3.3
65°	1.6	1.6	1.6	1.6	1.6
67.5°	1.6	1.6	1.6	1.6	1.6
70°	1.6	1.6	1.6	1.6	1.6
72.5°	1.6	1.6	1.6	1.6	1.6
75°	1.6	1.6	1.6	1.6	1.6
77.5°	1.6	1.6	1.6	1.6	1.6
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)